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**7 Weaver, an automatic texture builder**

*Callieri, M.; Cignoni, P.; Rocchini, C.; Scopigno, R.;*

3D Data Processing Visualization and Transmission, 2002. Proceedings. First International Symposium on , 19-21 June 2002

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**8 Morphological interpolation and color images**

*Iwanowski, M.; Serra, J.;*

Image Analysis and Processing, 1999. Proceedings. International Conference on , 27-29 Sept. 1999

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**9 Color plane interpolation using alternating projections**

*Gunturk, B.K.; Altunbasak, Y.; Mersereau, R.M.;*

Image Processing, IEEE Transactions on , Volume: 11 , Issue: 9 , Sept. 2002

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**10 CMOS sensor cross-talk compensation for digital cameras**

*Wanqing Li; Ogunbona, P.; Shi, Y.; Kharitonenko, I.;*

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**11 High definition color interpolation scheme for progressive scan CCD image sensor**

*Bong Soo Hur; Moon Gi Kang;*

Consumer Electronics, IEEE Transactions on , Volume: 47 , Issue: 1 , Feb. 2001

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**12 Effective color interpolation in CCD color filter array using signal correlation**

*Soo-Chang Pei; Io-Kuong Tam;*

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**14 Effective use of spatial and spectral correlations for color filter array demosaicking**

*Lanlan Chang; Yap-Peng Tan;*

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*Sakamoto, T.; Nakanishi, C.; Hase, T.;*

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### Results Key:

**JNL** = Journal or Magazine    **CNF** = Conference    **STD** = Standard

## 1 Effective color interpolation in CCD color filter arrays using signal correlation

*Soo-Chang Pei; Io-Kuong Tam;*

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*Herodotou, N.; Venetsanopoulos, A.N.;*

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### 3 The effects of interpolation and smoothing of color matching functions

Trussell, H.J.; Vrhel, M.J.;

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#### 4 Morphological interpolation and color images

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*Grard, G.L.; Trussell, H.J.;*

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**10 Lagrange interpolation method for single CCD digital still cameras***Yan-Chun Chiu; Yong-Tong Zou; Hsiu-Chen Hsu; Ming-Wen Chang;*

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**11 Effective color interpolation in CCD color filter array using signal correlation***Soo-Chang Pei; Io-Kuong Tam;*

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**12 Bayer image enlargement using correlated color components***Battiato, S.; Guarnera, M.; Mancuso, M.; Bruna, A.;*

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Industrial Electronics, 2001. Proceedings. ISIE 2001. IEEE International Symposium on , Volume: 1 , 12-16 June 2001

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**15 Effective use of spatial and spectral correlations for color filter array demosaicking**

*Lanlan Chang; Yap-Peng Tan;*

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	2803	(compar\$6 or correlat\$6 or match\$3 or similar\$4) same (imag\$3 near10 interpolat\$4)	USPA T; US-P GPUB	2004/09/07 13:51	
2	BRS	L2	840	1 same(detect\$3 or extract\$4 or cut\$4 or region\$4 or block\$3)	USPA T; US-P GPUB	2004/09/07 13:52	
3	BRS	L3	1098	1 same(detect\$3 or extract\$4 or cut\$4 or region\$4 or block\$3)	USPA T; US-P GPUB	2004/09/07 10:41	
4	BRS	L4	167	3 same(color\$2 or colour\$2)	USPA T; US-P GPUB	2004/09/07 13:58	
5	BRS	L5	42	4 same(stor\$4 or display\$4)	USPA T; US-P GPUB	2004/09/07 13:54	
6	BRS	L6	45574	(compar\$6 or correlat\$6 or match\$3 or similar\$4) same (imag\$3 near10 (first or second))	USPA T; US-P GPUB	2004/09/07 13:52	
7	BRS	L7	840	2 same(detect\$3 or extract\$4 or cut\$4 or region\$4 or block\$3)	USPA T; US-P GPUB	2004/09/07 14:02	
8	BRS	L8	840	7 same(interpolat\$4)	USPA T; US-P GPUB	2004/09/07 13:53	
9	BRS	L10	17	9 same(stor\$4 or display\$4)	USPA T; US-P GPUB	2004/09/07 13:54	
10	BRS	L11	122	8 same(color\$2 or colour\$2)	USPA T; US-P GPUB	2004/09/07 13:58	
11	BRS	L12	840	8 same(interpolat\$4)	USPA T; US-P GPUB	2004/09/07 13:58	
12	BRS	L13	122	11 same(interpolat\$4)	USPA T; US-P GPUB	2004/09/07 13:59	

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13	BRS	L14	122	11 same(imag\$3 near10 interpolat\$4)	USPA T; US-P GPUB	2004/09/07 14:03	
14	BRS	L15	29	14 same(display\$3 or stor\$4)	USPA T; US-P GPUB	2004/09/07 14:00	
15	BRS	L16	815	6 same(color\$3 or colour\$2)near10(detec t\$3 or extract\$4 or cut\$4 or region\$4 or bioc\$3)	USPA T; US-P GPUB	2004/09/07 14:02	
16	BRS	L17	5	16 same(imag\$3 near10 interpolat\$4)	USPA T; US-P GPUB	2004/09/07 14:03	



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	Error Definition	Er ro rs
13		0
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2	BRS	L2	1	"5903275".PN.	USPA T	2004/09/02 10:09	
3	BRS	L3	1	"5786823".PN.	USPA T	2004/09/02 10:09	
4	BRS	L4	1	"5760913".PN.	USPA T	2004/09/02 10:12	
5	BRS	L5	1	"5541742".PN.	USPA T	2004/09/02 10:12	
6	BRS	L6	1	"5809213".PN.	USPA T	2004/09/02 10:13	
7	BRS	L7	1	"5590251".PN.	USPA T	2004/09/02 10:14	
8	BRS	L8	52	(interpolat\$6 near10(color\$2 or colour\$2))same(correl at\$4 or compar\$6 or match\$3)same (imag\$3 near10(first or second))	USPA T; US-P GPUB	2004/09/02 10:19	
9	BRS	L9	780	interpolat\$6 near10(color\$2 or colour\$2))same(correl at\$4 or compar\$6 or match\$3	USPA T; US-P GPUB	2004/09/02 10:18	
10	BRS	L10	1415	interpolat\$6 same (color\$2 or colour\$2)same(correla t\$4 or compar\$6 or match\$3)	USPA T; US-P GPUB	2004/09/02 12:40	
11	BRS	L11	95	10 same (imag\$3 near10(first or second))	USPA T; US-P GPUB	2004/09/02 10:19	
12	BRS	L12	27	10 same (imag\$3 near10(first or second))near10(correl at\$4 or compar\$6 or match\$3)	USPA T; US-P GPUB	2004/09/02 10:20	
13	BRS	L13	36	10 same(telephon\$3 or cellular\$3 or palm\$2 or cell\$6)	USPA T; US-P GPUB	2004/09/02 12:43	
14	BRS	L14	1	"6633409".PN.	USPA T	2004/09/02 13:11	
15	BRS	L15	1	"6563538".PN.	USPA T	2004/09/02 13:11	
16	BRS	L16	1	"6160635".PN.	USPA T	2004/09/02 13:11	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
17	BRS	L17	1	"5953465".PN.	USPA T	2004/09/02 13:11	
18	BRS	L18	1	"5668596".PN.	USPA T	2004/09/02 13:11	
19	BRS	L19	1	"5652621".PN.	USPA T	2004/09/02 13:11	
20	BRS	L20	4893	(imag\$3 near10(correlat\$4 or compar\$6 or match\$3)) same(color\$4 or colour\$2) same(extract \$4 or cut\$3 or select\$4 or segment\$6 or divid\$4 or partition\$4 or patial\$3 or portion\$3)	USPA T; US-P GPUB	2004/09/02 14:47	
21	BRS	L21	1451	20 same (calculat\$6 or comput\$6 or measur\$6)	USPA T; US-P GPUB	2004/09/02 15:06	
22	BRS	L22	51	21 same (interpolat\$4)	USPA T; US-P GPUB	2004/09/02 15:07	
23	BRS	L23	856	20 same (imag\$3 near10(first or second))	USPA T; US-P GPUB	2004/09/02 15:07	
24	BRS	L24	23	23 same (interpolat\$4)	USPA T; US-P GPUB	2004/09/02 15:07	

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3	BRS	L3	1	"5786823".PN.	USPA T	2004/09/02 10:09	
4	BRS	L4	1	"5760913".PN.	USPA T	2004/09/02 10:12	
5	BRS	L5	1	"5541742".PN.	USPA T	2004/09/02 10:12	
6	BRS	L6	1	"5809213".PN.	USPA T	2004/09/02 10:13	
7	BRS	L7	1	"5590251".PN.	USPA T	2004/09/02 10:14	
8	BRS	L8	52	(interpolat\$6 near10(color\$2 or colour\$2))same(correl at\$4 or compar\$6 or match\$3)same (imag\$3 near10(first or second))	USPA T; US-P GPUB	2004/09/02 10:19	
9	BRS	L9	780	interpolat\$6 near10(color\$2 or colour\$2))same(correl at\$4 or compar\$6 or match\$3	USPA T; US-P GPUB	2004/09/02 10:18	
10	BRS	L10	1415	interpolat\$6 same (color\$2 or colour\$2)same(correl at\$4 or compar\$6 or match\$3)	USPA T; US-P GPUB	2004/09/02 12:40	
11	BRS	L11	95	10 same (imag\$3 near10(first or second))	USPA T; US-P GPUB	2004/09/02 10:19	
12	BRS	L12	27	10 same (imag\$3 near10(first or second))near10(correl at\$4 or compar\$6 or match\$3)	USPA T; US-P GPUB	2004/09/02 10:20	
13	BRS	L13	36	10 same(telephon\$3 or cellular\$3 or palm\$2 or cell\$6)	USPA T; US-P GPUB	2004/09/02 12:43	
14	BRS	L14	1	"6633409".PN.	USPA T	2004/09/02 13:11	
15	BRS	L15	1	"6563538".PN.	USPA T	2004/09/02 13:11	
16	BRS	L16	1	"6160635".PN.	USPA T	2004/09/02 13:11	

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19	BRS	L19	1	"5652621".PN.	USPA T	2004/09/02 13:11	



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